CLAIMS

1. A perceptible apparatus for use in helping to create a reactive effect upon a user, comprising:

(a) control circuitry operative to generate a one of a plurality of selected signals;

(b) means for producing a variable perceptible output in response to said one of a plurality of selected signals; and

(c) a translucent element adjacent to said means for producing a variable perceptible output, said translucent element is operative to diffuse and emit said variable perceptible output.

2. A perceptible apparatus according to claim 1 wherein said translucent element further comprises an adjacent reflective mirror that is operational to further control said perceptible output.

3. A perceptible apparatus according to claim 1 wherein said translucent element is constructed of a synthetic thermoplastic resin.

4. A perceptible apparatus according to claim 3 wherein said translucent element is constructed of a polycarbonate.

5. A perceptible apparatus according to claim 1 wherein said control circuitry is contained within a common housing.

6. A perceptible apparatus according to claim 5 wherein said housing is substantially parallelepiped in shape.

7. A perceptible apparatus according to claim 1 wherein said means for producing a perceptible output includes a light.

8. A perceptible apparatus according to claim 7 wherein said light is a light emitting diode (LED).

9. A perceptible apparatus according to claim 8 wherein said control circuitry further includes calibration circuitry for said LED that is operational to help make brightness of said LED consistent amongst different LEDs.

10. A perceptible apparatus according to claim 9 further including a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating brightness that can be adjusted using said calibration device display and said calibration circuitry that is operational to further help make brightness of said LED consistent amongst different LEDs.

11. A perceptible apparatus according to claim 9 further including a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating color that can be adjusted by using said calibration device display and replacing a selected LED that is operational to further help make color of said LED consistent amongst different LEDs.

12. A perceptible apparatus according to claim 1 wherein said control circuitry further includes clearing mode circuitry that upon activation is operational to replace said one of a plurality of selected pulse width modulation signals with a continuously changing pulse width modulation signal fluctuating between a maximum and minimum duty cycle.

13. A perceptible apparatus according to claim 1 further including a display that is operational to indicate a relative level of variable perceptible output.

14. A perceptible apparatus according to claim 1 further including a display that is operational to indicate a mode of operation.

15. A perceptible apparatus according to claim 1 wherein said selected signals are pulse width modulation signals.

16. A perceptible apparatus for use in helping to create a reactive effect upon a user, comprising:

(a) control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode;

(b) a plurality of lights, with each one light variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes; and

(c) a translucent element adjacent to said plurality of lights, said translucent element is operative to diffuse and emit said one light illuminated or a plurality of lights illuminated.

17. A perceptible apparatus according to claim 16 wherein said translucent element further comprises an adjacent reflective mirror that is operational to further control said one light illuminated or said plurality of lights illuminated.

18. A perceptible apparatus according to claim 16 wherein said translucent element is constructed of a synthetic thermoplastic resin.

19. A perceptible apparatus according to claim 18 wherein said translucent element is constructed of a polycarbonate.

20. A perceptible apparatus according to claim 16 wherein said control circuitry is contained within a common housing.

21. A perceptible apparatus according to claim 20 wherein said housing is substantially parallelepiped in shape.

22. A perceptible apparatus according to claim 16 wherein each one of said plurality of lights is a light emitting diode (LED).

23. A perceptible apparatus according to claim 22 wherein said control circuitry further includes calibration circuitry for each one of said LED's that is operational to help make brightness of each one of said LED's consistent amongst said plurality of different LEDs.

24. A perceptible apparatus according to claim 23 further including a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating brightness that can be adjusted using said calibration device display and said calibration circuitry that is operational to further help make brightness of each one of said LED's consistent amongst said plurality of different LEDs.

25. A perceptible apparatus according to claim 23 further including a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating color that can be adjusted by using said calibration device display and

replacing a selected LED that is operational to further help make color of each one of said LED's consistent amongst said plurality of different LEDs.

26. A perceptible apparatus according to claim 16 wherein said plurality of lights are of different colors.

27. A perceptible apparatus according to claim 26 wherein said plurality of lights are of different colors that include red, green, and blue.

28. A perceptible apparatus according to claim 27 wherein said control circuitry further includes clearing mode circuitry that upon activation is operational to replace said one of a plurality of selected pulse width modulation signals for each said selected mode with a continuous cycle of said red light illuminated to a maximum sequencing to simultaneously reducing illumination of said red light and increasing illumination of said green light to a maximum illumination with said red light not illuminated sequencing to simultaneously reducing illumination of said green light and increasing illumination of said blue light to a maximum illumination with said green light not illuminated sequencing to simultaneously reducing illumination of said blue light and increasing illumination of said red light to a maximum illumination with said blue light not illuminated.

29. A perceptible apparatus according to claim 16 further including a display that is operational to indicate a relative illumination level of each one of said plurality of lights.

30. A perceptible apparatus according to claim 16 further including a display that is operational to indicate a mode of operation.

31. A perceptible apparatus according to claim 16 wherein said selected signals are pulse width modulation signals.

32. A method of using a perceptible apparatus for use in helping to create a desired reactive effect upon a user, comprising the steps of:

(a) positioning the user;

(b) providing said perceptible apparatus that includes, control circuitry operative to generate a one of a plurality of selected signals, a means for producing a variable perceptible output in response to said one of a plurality of selected signals, and a translucent element adjacent to

said means for producing a variable perceptible output, said translucent element is operative to diffuse and emit said perceptible output;

(c) locating said perceptible apparatus to a selected position adjacent to the user; and

(d) activating said perceptible apparatus being operational to illuminate said variable perceptible output in response to one of a plurality of selected signals.

33. A method of using a perceptible apparatus according to claim 32 further comprising a step of locating a selected volume of a fluid adjacent to said perceptible apparatus and reinitiating said activating step to create an essence in said fluid with said perceptible apparatus having substantially the same setting as causing the desired reactive effect upon a user.

34. A method of using a perceptible apparatus according to claim 32 further comprising a step of deactivating said perceptible apparatus and reactivating said perceptible apparatus to re illuminate said variable perceptible output in response to another one of a plurality of different selected signals.

35. A method of using a perceptible apparatus according to claim 32 further comprising a step of clearing said variable perceptible output that is operational to continuously cycle a brightness of said variable perceptible output from a minimum setting to a maximum setting to a minimum setting.

36. A method of using a perceptible apparatus according to claim 32 wherein said providing step of a perceptible apparatus includes control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode, a plurality of different colored lights, with each one light variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes, and a translucent element adjacent to said plurality of lights, said translucent element is operative to diffuse and emit said one light illuminated or a plurality of lights illuminated, wherein said activating step initiates a selected sequence to illuminate each of said different colored lights to a selected illumination level.

37. A method of using a perceptible apparatus according to claim 36 further comprising a step of clearing, wherein said different colored lights are operational to continuously cycle an illumination level of each different color light from a minimum setting to a maximum setting sequentially with said different colored lights.

38. A method of using a perceptible apparatus for use in helping to create a desired effect upon a crystal, comprising the steps of:

(a) providing said perceptible apparatus that includes control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode, a plurality of different colored lights, with each one light variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes, and a translucent element adjacent to said plurality of lights, said translucent element is operative to diffuse and emit said one light illuminated or a plurality of lights illuminated, wherein said activating step initiates a selected sequence to illuminate each of said different colored lights to a selected illumination level;

(b) removing said translucent element from said perceptible apparatus;

(c) locating said plurality of different colored lights to a selected position adjacent to the crystal; and

(d) activating said perceptible apparatus being operational to illuminate said different colored lights that are operational to continuously cycle an illumination level of each different color light from a minimum setting to a maximum setting sequentially with said different colored lights.

39. A method of calibrating a perceptible apparatus for use in helping to create a desired reactive effect upon a user, comprising the steps of:

(a) providing said perceptible apparatus that includes, control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode, a plurality of LEDs, with each one LED variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes, and a translucent element adjacent to said plurality of LEDs, said translucent element is operative to diffuse and emit said one LED illuminated or a plurality of LEDs illuminated, further including calibration circuitry for each one of said LED's that is operational to help make brightness of each one of said LED's consistent amongst said plurality of different LEDs;

(b) providing a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating brightness of said LEDs; and

(c) adjusting brightness using said calibration circuitry and said calibration device display that is operational to further help make brightness of each one of said LED's consistent amongst said plurality of different LEDs.

40. A method of calibrating a perceptible apparatus for use in helping to create a desired reactive effect upon a user, comprising the steps of:

(a) providing said perceptible apparatus that includes, control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode, a plurality of LEDs, with each one LED variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes, and a translucent element adjacent to said plurality of LEDs, said translucent element is operative to diffuse and emit said one LED illuminated or a plurality of LEDs illuminated, further including calibration circuitry for each one of said LED's that is operational to help make brightness of each one of said LED's consistent amongst said plurality of different LEDs;

(b) providing a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating color of said LEDs; and

(c) adjusting color by using said calibration device and said calibration device display by replacing a selected LED that is operational to further help make color of each one of said LED's consistent amongst said plurality of different LEDs.

41. A method of replicating a desired reactive effect to further consistency of the desired reactive effect from one perceptible apparatus to another perceptible apparatus, comprising the steps of:

(a) providing a plurality of said perceptible apparatuses that each include, control circuitry operative to generate singularly or simultaneously in each one of a plurality of selected modes a plurality of selected signals for each said mode, a plurality of LEDs, with each one LED variably illuminated in response to said one of a plurality of selected signals for each one of a plurality of selected modes, and a translucent element adjacent to said plurality of LEDs, said translucent element is operative to diffuse and emit said one LED illuminated or a plurality of LEDs illuminated, further including calibration circuitry for each one of said LED's that is

operational to help make brightness of each one of said LED's consistent amongst said plurality of different LEDs;

(b) providing a calibration device that includes a shroud that occludes substantially all external environment light from said translucent element and calibration device circuitry that provides a signal that is displayed in a display indicating brightness and color of said LEDs;

(c) selecting a calibration standard for a color from one said perceptible apparatus to another said perceptible apparatus;

(d) selecting a calibration standard for a brightness from one said perceptible apparatus to another said perceptible apparatus;

(e) calibrating color and brightness of a single perceptible apparatus to said color calibration standard and to said brightness calibration standard;

(f) determining a setting on said plurality of perceptible apparatuses that have been calibrated to said color and brightness standards which cause said desirable reactive effect upon the user; and

(g) providing said setting to other users of said brightness and color calibrated perceptible apparatuses.

42. A method of using a perceptible apparatus for use in helping to create a desired reactive effect upon a user, comprising the steps of:

(a) positioning the user;

(b) providing said perceptible apparatus that includes, control circuitry operative to generate a one of a plurality of selected signals, a means for producing a variable perceptible output in response to said one of a plurality of selected signals, and a translucent element adjacent to said means for producing a variable perceptible output, said translucent element is operative to diffuse and emit said perceptible output;

(c) locating the perceptible apparatus to a selected position adjacent to the user;

(d) activating said perceptible apparatus being operational to illuminate said variable perceptible output in response to one of a plurality of selected signals;

(e) determining a setting on said perceptible apparatus which causes said desirable reactive effect upon the user; and

(f) programming said setting in said perceptible apparatus to allow the user to substantially replicate said desirable reactive affect.

43. A method of using a perceptible apparatus for use in helping to create a desired reactive effect upon a user utilizing a biofeedback system, comprising the steps of:

(a) positioning the user;

(b) providing said perceptible apparatus that includes, control circuitry operative to generate a one of a plurality of selected signals, a means for producing a variable perceptible output in response to said one of a plurality of selected signals, and a translucent element adjacent to said means for producing a variable perceptible output, said translucent element is operative to diffuse and emit said perceptible output;

(c) providing said biofeedback system;

(d) locating the perceptible apparatus to a selected position adjacent to the user;

(e) connecting said biofeedback system to said perceptible apparatus and to said user;

(d) activating said perceptible apparatus being operational to illuminate said variable perceptible output in response to one of a plurality of selected signals; and

(e) determining a setting on said perceptible apparatus which causes said desirable reactive effect upon the user based upon a biofeedback system output.